

# METHOD OF REGENERATING BONE/CHONDRAL TISSUES BY TRANSFERRING TRANSCRIPTIONAL FACTOR GENE

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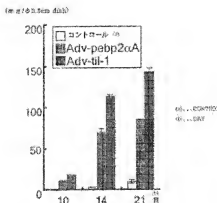
EP1424082 (A1)  
US2005063959 (A1)

Cited documents:

US8077987 (A)  
WO9830234 (A1)  
XP002957345 (A)  
XP002957346 (A)  
XP002957347 (A)

## Abstract of WO 03011343 (A1)

A method of efficiently constructing a bone/chondral tissue by isolating cells from a living body and quickly and appropriately culturing the same; and implants containing bone/chondral tissues obtained by this method. Namely, bone marrow-origin cells isolated from a living body are transfected with a gene of a bone/cartilage-inducing transcriptional factor by using an adenovirus or retrovirus vector and proliferated on an appropriate scaffold. The bone/chondral tissue thus constructed can be used as an implant substituting for a bone or cartilage by embedding together with the scaffold material into a living body.



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